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675

YANISHEVSKIY, D. YE.

Yanishevskiy, D. Ye. and Pervukhina, N. V. "Some data on morphological characteristics of umbellate, arid, indigenous plants," Trudy Botan. in-ta im. Korarova, Eksperim. botanika, Issue 6, 1948, p. 242-74 - Bibliog: 30 items

SO: U-3264, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

YANISHEVSKIY, F. I.

25278 YANISHEVSKIY, F. I. *Concerning Clinical Polysensitis*
Vyoprosy O Khronicheskom Poliserozite. Sbornik
Trudovospit. Khirurg. Kliniki (Pervyy Mosk. Med. In-T) N. 1949, S. 327-35

SO: Letopis' No. 34, 1949

PETERBURGSKIY, A.V., doktor sel'skokhoz. nauk, prof.;
YANISHEVSKIY, F.V., kand. sel'skokhoz. nauk

Forms of potassium in soils fertilized over a period of many
years. Izv. TSKHA no.6:113-124 '63. (MIRA 17:8)

PETERBURGSKIY, A.V., prof. Doktor sel'skokhoz. nauk; YANISHEVSKIY, F.V., aspirant

Investigating the behavior of potassium in turf-Podzolic sandy loams subject to long-term fertilizer usage, continuous fallow and rye and potato monocultures. Izv. TSKhA no.5:75-94 '59 (MIRA 13:3)
(Potassium) (Field crops--Fertilizers and manures)

PETERBURGSKIY, A.V., doktor sel'skokhozyaystvennykh nauk, prof.;
YANISHEVSKIY, F.V., aspirant

Leaching of potassium from the arable layer [with summary in
English]. *Izv. TSKhA* no.4:82-87 '60. (MIRA 13:?)
(Soils--Potassium content) (Leaching)

YANISHEVSKIY, F. V., kand. sel'skokhozyaystvennykh nauk; KLEVKE, V. A.

Technology of liquid nitrogen and complex fertilizers and effectiveness of their use in agriculture. Zhur. VKH 7 no.5: 534-542 '62. (MIRA 15:10)

(Fertilizers and manures)

YANISHEVSKIY, F.V.

Effect of gibberellin on nitrogen metabolism of hemp (*Cannabis sativa* L.) *Fiziol. rast.* 8 no.6:658-662 '61. (MIRA 16:7)

1. Scientific Research Fertilizer and Pesticide Institute, Moscow.
(Hemp) (Gibberellins)

YANISHEVSKIY, F.V.

"A Change in the Forms of Potassium in Sandy-loam and Sod-podzolic Soil where Fertilizers have been Used for Many Years."

dissertation for the degree of Candidate of Agricultural Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,
1963, pp 232-236)

LITVINOV, M.A., kand. tekhn. nauk; YANISHEVSKIY, F.V., kand. sel'-
khoz. nauk; TIKHONCHUK, Yu.N., kand. ekon. nauk; CHERNIKOV,
B.P., inzh.; BOGDANOV, V.M., inzh.; CHICHEVA, L.I., red.

[Mechanization of the placement of mineral fertilizers] Me-
khanizatsiia vneseniia mineral'nykh udobrenii. Moskva,
Kolos, 1965. 173 p. (MIRA 18:5)

YANISHEVSKIY, N., general-mayor voysk svyazi

Publicizing military equipment at a communication school. Voen.
vest 40 no. 3:72-74 Mr '61. (MIRA 14:2)
(Communications, Military—Study and teaching)

YANISHEVSKI, N., general-mayor voysk svyazi; SHMATOVICH, E., polkovnik

Amateur radio competitions in the armed forces. Voen. vest. 42
no.6:100-102 Je '62. (MIRA 15:6)

(Radio, Military)

PRIYEMCHENKO, A., polkovnik; KOVALEV, A., polkovnik; YANISHEVSKIY,
N., general-mayor voysk svyazi

New problems and obsolete methods. Voen. vest. 42 no.11:
60-62 N '62. (MIRA 16:10)

(Military educations)

YANISHEVSKIY, N.A.

Planned utilization of water. Trudy TIIIMSKH no.8:54-69
'57.

(Irrigation)

(MIRA 15:5)

ALAMPIYEV, P.M.; VOL'F, M.B.; ZHIRMUNSKIY, M.M.; KLUPT, V.S.; KONSTANTINOV, O.A.;
MILEYKOVSKIY, A.G.; SEMEVSKIY, B.N.; FEYGIN, Ya.G.; SHISHKIN, N.I.;
YANITSKIY, N.E.

In reference to I.U.G.Saushkin's reply. Izv. AN SSSR. Ser. geog.
no.3:156-158 My-Je '63. (MIRA 16:8)
(Geography, Economic)

YANISHEVSKIY, N. M.

B. T. R.

№ 1. 2. № 2

Wood and Forest Products

5:25* Automatic Grinding of Wood Pulp in Rollers.

Author: M. P. Buzdar and N. M. Yanishevskiy

POLISHCHUK, L.K.; DZYUBENKO, V.Ye. [Dziubenko, V.IE.]; YANISHEVSKIY, S.V.
[IAnishevs'kyi, S.V.]

Effect of various conditions of nutrition on differences in the
chemical composition of adult actively photosynthesizing nut
tree leaves. Visnyk Kyiv. un. no.4. Ser. biol. no.2:38-45'61.
(MIRA 16:6)

(PLANTS—METABOLISM)
(KIRGHIZISTAN—WALNUT—FERTILIZERS AND MANURES)

YANISHEVSKIY, V.I. (Moskva, I-90, 3-ya Meshchanskaya ul., d.22, kv.7)

Late results of interstitial therapy for breast cancer. Vop.
onk. 5 no.11:548-552 '59. (MIRA 14:7)

1. Iz Gosudarstvennogo onkologicheskogo instituta imeni P.A.Gertsena
(dir. - prof. A.N.Novikov, nauchnyy rukovoditel' - chlen-korrespondent
AMN SSSR prof. A.I.Savitskiy), Moskva.
(BREAST--CANCER) (RADIUM--THERAPEUTIC USE)

LARIOSHCHENKO, T.G.; YANISHEVSKIY, V.I.; NEMYRYA, A.N.

Experience in the treatment of cancer of the breast from data of
the Gertsen Oncological Institute. Khirurgiia 36 no.8:11-20 Ag
'60. (MIRA 13:11)

1. Iz Gosudarstvennogo onkologicheskogo instituta imeni P.A. Gertsena
(dir. - prof. A.N. Novikov; nauchnyy rukovoditel' - deyatvitel'nyy
ohlen AMN SSSR zasluzhenny deyatel' nauki prof. A.I. Savitskiy).
(BREAST--CANCER)

AUTHOR: Yanishevskiy, V. M.

72-58 5-15/18

TITLE: The Glass Industry of China (Stekol'naya promyshlennost' Kitaya)

PERIODICAL: Steklo i Keramika, 1958, Nr 5, pp 44-46 (USSR)

ABSTRACT: There exist at present 408 enterprises of glass industry in the People's Republic of China; the four greatest producing sheet glass are under the control of the Industrial Ministry for Building Materials. The rest of them are controlled by the Ministry for Light Industry or by local municipal industrial management. The assortment of products is highly varied. The Dairen factory produces first-quality every-day products. At the town of Dairen there is also one of the greatest glass factories of China which produced with 9 furnaces with vertical pull 11,400 thousand m² of sheet glass in 1956. In the town of Shenyang beer bottles, chemical glassware and other items were produced besides sheet glass. At the Shanghai and Peking glass factories container glass, medical glass, laboratory glass, signal glass, glass for electric illumination and colored glass are produced. In

Card 1/3

The Glass Industry of China

72-58-5-15/18

Shankhay 53 enterprises produce thermos bottles or parts of them. Ch'eng Wei-Ming, Engineer in Shanghai, produces fine glass fibers with his simple equipment, from which glass cloth, ropes and other items are produced. China has only few suitable sands for glass production but it has great deposits of sandstone and quartzite which are used successfully. Deposits of limestone and dolomite are abundant in China as well as high-quality calcite and magnesite. There are deposits of feldspar to be found in the Chebey and Lyaonin provinces. The quality of the raw materials can be seen in table 1. Coal is mostly used as fuel. Refractories are produced in small amounts at the glass factories; this is only done to meet domestic demands. They are bought from special factories, 5 of which are in Shankhay. At the "I-fon" factory in Shanghai a laboratory for ceramics was built. Some sorts of clay serve as raw material for refractories; the quality of this raw material can be seen on table 2. Refractories produced for the building and the repair work of ash-furnaces are mainly produced by the Matszyagouskiy factory in T'ien Shan. For the production of Dinas, quartzites of the "Peisha" deposit near the town

Card 2/3

The Glass Industry of China

72-58-5-15/18

Tyanshan' are used. At present Chinese specialists try hard to improve the quality refractories. The Scientific Research Institute for Building Materials in Peking had first success with mullite products. The 3rd five-year plan provides for the production of 150 million m² of sheet glass per year. There are 2 tables.

AVAILABLE: Library of Congress

1. Glass--Production 2. Glass--China

Card 3/3

YANISHEVSKIY, V.M., ZHUKOVSKAYA, Ye.A.; REZNIK, N.P.

Contactors for glasses with current-conducting films. Stok. $\frac{1}{2}$ ker.
17 no.8:25-26 Ag '60. (MIRA 13:8)
(Glass) (Electric contactors)

RAZUMAYEVA, V.I. [translator]; BRAYNIN, Ye.I. [translator]; YANISHEVSKIY,
V.M., inzh., red.; SOKOL'SKIY, I.F., red.izd-va; GOL'BERG, T.M.,
tekh.red.

[Glass in construction] Steklo v stroitel'stve; sbornik statei.
Pod red. V.M.Ianisevskogo. Moskva, Gos,izd-vo lit-ry po stroit.,
arkhit. i stroit.materialam, 1961. 175 p. Translated from the
Czech. (MIRA 14:6)

(Glass construction)

43754

S/081/62/000/023/067/120
B180/B144

15.2120

AUTHOR: Yanishevskiy, V. M.

TITLE: Certain properties of silicate glasses of the
 $\text{Na}_2\text{O-SiO}_2\text{-Nb}_2\text{O}_5$ system

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 496, abstract
23K449 (Steklo. Byul. Gos. m.-i. in-ta stekla, no. 4 (113),
1961, 34-44)

TEXT: It is shown that Nb_2O_5 is very valuable in the production of
industrial glass. Small Nb_2O_5 additions increase chemical stability and
heat resistance of the glass improve processing properties, and raise the
refractive index. [Abstracter's note: Complete translation.]

Card 1/1

1 1111-66 EWT(m)/EWP(a)/EWP(b) WH
Acc-NR AR6000268

UR/0081/65/000/014/M011/M011

UDC: 14M116.

SOURCE: Ref. zh. Khimiya, Abs. 14M116

AUTHOR: Yanishevsky, V.M.

TITLE: Investigating certain properties of glass of the $\text{Na}_2\text{-SiO}_2\text{-Nb}_2\text{O}_5$ system

CITED SOURCE: Sb. Stekloobrazn. sostoyaniye. T. 3. Vyp. 4. Minsk, 1964, 76-82

TOPIC TAGS: glass, glass property, heat resistant glass, zirconium, niobium

TRANSLATION: This system contains a whole series of glass compositions having a slight tendency to crystallization. With a slight addition of Nb_2O_5 a glass of high chemical resistance can be obtained. It was established that Nb_2O_5 lowers the expansion coefficient of silicate glasses. The partial number of Nb_2O_5 thermal expansion in the studied glass is minus 220. The addition of Nb_2O_5 to glass increases considerably its softening temperature (T_g). This temperature is in direct proportion to the oxygen potential of the glass. The effect of Nb_2O_5 on the physicochemical properties of glass is expressed more strongly than that exhibited by ZrO_2 .

Author's summary

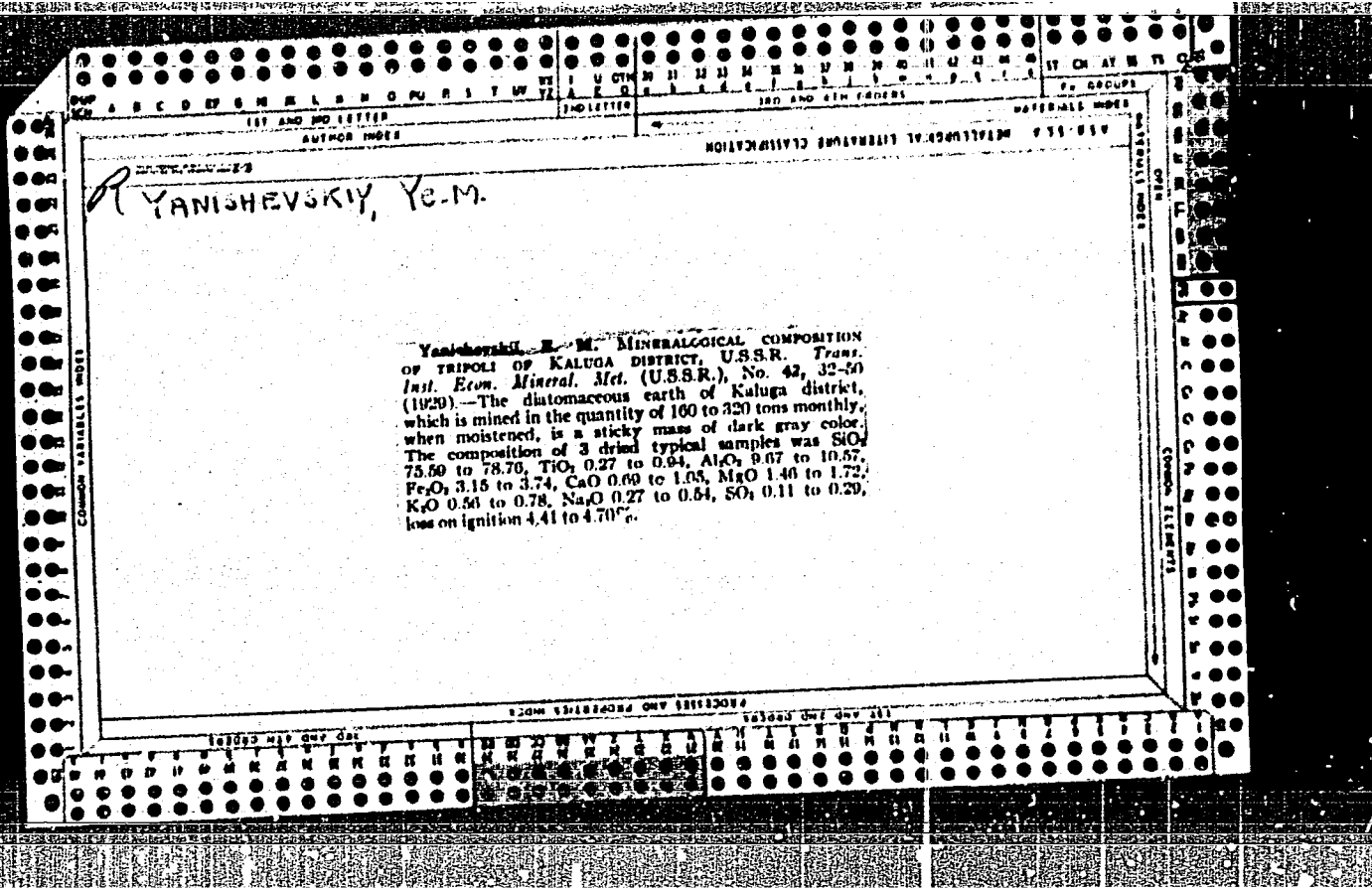
SUB CODE: 11, 07

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CgrJ 1/1

NEVEL'SON, M.I.; NIKITIN, A.I.; YANISHEVSKIY, V.V.; BOYKO, G.G.; KUZNETSOV,
N.I.; BULANOVA, I.A.; GORSHKOV, V.I.; KATSMAN, I.A.; KUKAYEVA, YZ.V.;
RYZHOVA, V.V.; TUROBOVA, V.I.; CHEREDEYEVA, Ye.M.; KOSHELKIN, M.V.

Development of highly efficient ventilator models ORGRES operating
according to a 0.68-161° system for electric power plants. Prom.
energ. 18 no.7:8-9 JI '63. (MIRA 16:9)

(Electric power plants--Electric equipment)
(Fans, Electric)



100 AND 4TH CODES
 101 AND 1ST CODES
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 200 AND 100TH CODES

PROCESSES AND PROPERTIES INDEX

YANISHEVSKY, Y.M.

The joint occurrence of molybdenum and vanadium in the oxidized zone of ore deposits. E. Yanishevskii. *Problems of Soviet Geol.* Moscow 2, 1935, 157-161; *Neues Jahrb. Mineral. Geol.* Referate II, 1935, 171-2; *U.S. Geol. Surv. Bull.* 709, 1924, 1-10. From a study of the ores at Kvali, Karakstan, Y. concludes that Mo is a rare primary constituent of the chalcocopyrite ore, and V is introduced in the oxidized zone by circulating descending solus. which deposit vanadinite and recrystallize the Mo as wulfenite. J. P. Schauer

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

GROUP

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

YANISHEVSKIY, Y. M.

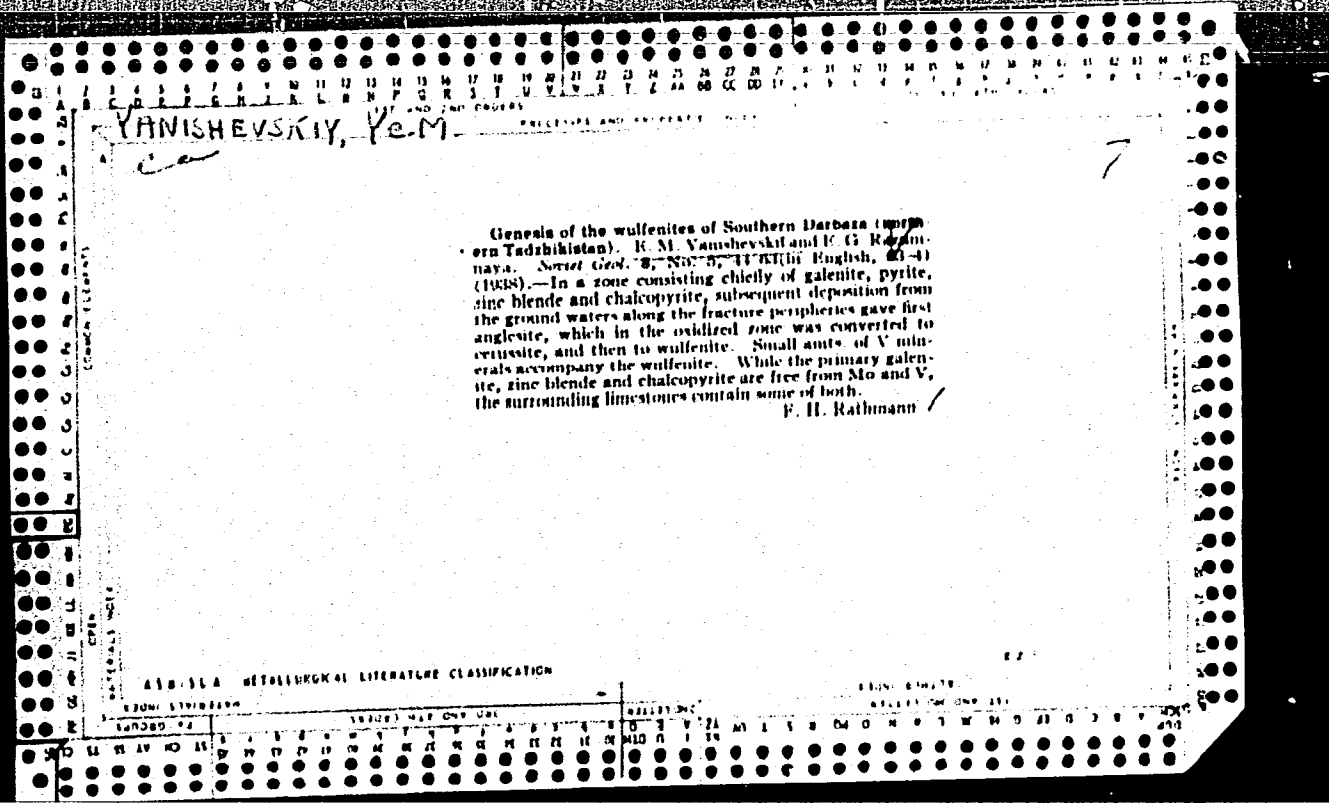
Ca

PROCESSES AND PROPERTIES INDEX

The behavior of ~~the~~ oxidized zone of the Adirondack copper-bismuth deposits. Y. M. Yanishevskiy. *Problems Soviet Geol.* 7, 25-46(1960) (English summary); *Rev. Geol.* 17, 843-3. —From studies of the oxidized zone of the ores Y. concludes that bismuthinite (Bi_2S_3) is sol. in waters contg. H_2SO_4 and $\text{Fe}_2(\text{SO}_4)_3$. The soly. is increased by the presence of chalcocyanite and hematite. In the zone of oxidation there is no secondary crop. of Bi. Waters contg. H_2SO_4 and $\text{Fe}_2(\text{SO}_4)_3$ dissolve Bi_2S_3 but the Bi is immediately redeposited as basic salts with no appreciable transportation. J. P. Schairer

ASB-ILA METALLURGICAL LITERATURE CLASSIFICATION

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8

YANISHEVSKIY, Ye-M
ca

Copper-bismuth deposits of Adraaman. E. M. Yanishevskii and M. I. Kharitonov. *Soviet Geol.* 9, Nos. 4-5, 78-94 (1930).—Chalcopyrite is assoc. with quartz, pyrite, hematite, bismutite and emplexite (CuBiS₂). P. H. Washburn

ASSN-SLA METALLURGICAL LITERATURE CLASSIFICATION

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U.S. DEPARTMENT OF COMMERCE

U.S. NATIONAL BUREAU OF STANDARDS

ИНЖЕНЕРСТВО, Ye. M.

Service of new type tanks. M. V. FOMYGIN, V. I. SAVI
 NOV, AND E. M. YANISHEVSKIY. *Stal' i Kovan.* 7 (1) 21-24
 (1959). This type of tank feeds the melt directly to the machine
 and also has other special features (not listed). The output of
 high quality glass was high, and that of class III did not exceed 5
 to 7%. Streaks were few, and the number of bubbles was sharply
 reduced. The construction of recuperators was investigated
 with the result that 43 to 45 hr. were required to reheat the work-
 ing chamber after rupture of the sheet. Accelerated destruc-
 tion of the sheet along the edges was also noted (width of zone)
 was 20 cm and machines 1.6 m). The defects broke fre-
 quently owing to the freezing of the melt caused by insulation at
 width of the working chamber. Plans to eliminate defects have
 been adopted (not listed), and the operation of the tank is
 to be thoroughly studied by the Institute of Glass.

ISSN 0013-788X METALLURGICAL LITERATURE CLASSIFICATION

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DOMAROV, V.S.; YANISHEVSKIY, Ye.M., redaktor; OVCHINNIKOVA, S.V., redaktor
izdatel'stva; POPOV, N.D., tekhnicheskiy redaktor

[Geology of uranium deposits of capitalist countries] Geologia
uranovykh mestorozhdenii kapitalisticheskikh stran. Moskva, Gos'
nauchno-tekhn. izd-vo lit-ry po geologii i okhrane neдр, 1956.
271 p. (MLRA 9:8)
(Uranium)

YANISHEVSKIY, YE. M.

MELKOV, Vyacheslav Gavrilovich, ; PUKHAL'SKIY, Leonid Cheslavich; YANISHEVSKIY, Ye. M., redaktor; SEMENOVA, M.V., redaktor izdatel'stva; POPOV, N.D., tehnicheskij redaktor.

[Uranium prospecting] Poiski mestorozhdenii urana. Pod red. E.M. Yanishevskogo. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane neдр, 1957. 218 p. (MIRA 10:5)
(Uranium) (Prospecting)

YANISHEVSKIY, Ye. M. ; KONSTANTINOV, V.M.

Effect of tectonic and lithological factors on the localization
of hydrothermal uranium ores in the Erzgebirge. Geol.rtd.
mestorozh. no.6:38-45 N-D '60. (MIRA 14:3)
(Erzgebirge--Uranium ores)

YANISHEVSKIY, Ye.M.; GRIGORYAN, S.V.; BARANOV, E.N.; VERTEPOV, G.I.;
KABLUKOV, A.D.; FEDOTOVA, A.I., red.; izd-va; BYKOVA, V.V.,
tekhn. red.

[Endogenic dispersion holes of some hydrothermal deposits]
Endogennye oreoly rasseianiia nekotorykh gidrotermal'nykh
mestorozhdenii. [By] E.M. Ianishevskii i dr. Moskva, Gos-
geoltekhizdat, 1963. 121 p. (MIRA 16:3)
(Geochemical prospecting) (Ore deposits)

KONSTANTINOV, V.M.; YANISHEVSKIY, Ye.M.

Using primary halos of dispersion for the estimation of the
ore potential of disjunctive dislocations. Geol. rud. mestorozh.
5 no.2:126-127 Mr-Ap '63. (MIRA 16:6)

(Geochemical prospecting)
(Ore deposits)

YANISHEVSKIY, Ye.M.

Concerning N.I. Safronov's article "Theory of primary dispersion halos." Sov. geol. 6 no.10:150-154 0 '63. (MIRA 17:1)

BEUS, A.A.; YANISHEVSKIY, Ye.M.

Some basic trends of investigation in the field of applied
geochemistry. Sov. geol. 7 no.10:3-16 0 '64. (MIRA 17:11)

1. Geologo-geokhimicheskiy trest.

SOCHEVANOV, N.N.; KABLUKOV, A.D.; KARANOV, E.N.; BOGOLYUBOV, A.N.;
VYTYEPOV, G.I.; GRIGORYAN, S.V.; MAYKOVA, Ye.A.;
RAZUMOVSKIY, N.K.; TULIN, V.N.; YANISHEVSKIY, Ye.M.;
SOLOVCOV, A.P., red.

[Using dispersion halos and accompanying elements in prospecting for hydrothermal uranium deposits; methodological handbook] Ispol'zovanie oreolov rasseianiia urana i elementov-sputnikov pri poiskakh i razvedke gidrotermal'nykh uranovykh mestorozhdenii; metodicheskoe rukovodstvo. Moskva, Nedra, 1964. 194 p. (MIRA 17:9)

1. Russia (1923- U.S.S.R.) Geologicheskii komitet.

AM5002725

BOCK EXPLOITATION

UR/

Kablukov, A. D.; Sochevanov, N. N.; Baranov, E. N.; Bogolyubov, A. N.; Vertepov, G. I.; Grigoryan, S. V.; Mayorova, Ye. A.; Pazurovskiy, N. E.; Tulin, V. E.; Yanishovskiy, Ye. M.; comps.

Use of diffusion aureoles of uranium and associated elements in prospecting and surveying for hydrothermal uranium deposits; methodologic handbook (Ispol'zovaniya aureolov rassoyaniya urana i elementov-sputnikov pri poiskakh i razvedke gidrotermal'nykh uranovykh mestorozhdeniy; metodicheskoye rukovodstvo) Moscow, Izd-vo "Nedra", 1964. 194 p. illus., biblio., append. 2350 copies printed. (At head of title: Gosudarstvennyy geologicheskyy komitet SSSR). Managing editor: for the publishing house: F. N. Chumakova; Technical editor: T. M. Shmakova; Proofreader: A. A. Sivakova

TOPIC TAGS: geochemical prospecting, hydrothermal uranium deposit, primary uranium diffusion aureole, radiometric anomaly, secondary uranium diffusion aureole, uranium ore deposit

PURPOSE AND COVERAGE: The purpose of this handbook is to describe the laws governing the distribution of uranium and associated elements in the indigenous rocks

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UDC: 553.195:552.142

AM5002725

around hydrothermal uranium-ore bodies and in the river deposits above them; to demonstrate the possibility, the role, and the place of geochemical methods in solving such problems; and to describe the results of work on the development of primary and secondary diffusion aureoles of uranium and its associated elements. In addition to their own work, the authors used data from A. G. Vetrov, M. A. Voroshilov, V. S. Golusov, O. D. Gorbunov, M. Ya. Dar, V. M. Konstantinov, M. V. Kutenkov, L. T. Mishin, Ye. A. Sizov, and others. Most of the spectral and luminescent analyses were performed by L. F. Davydova, Yu. T. Donets, B. M. Yeloyev, E. V. Mozolevskaya, and R. V. Timofeyeva.

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SUB CODE: 08

/GUBM DATE: 09Jul64 /SOV REF:084

/OTH REF:011

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YANISHEVSKIY, Yu. D.

"The Pyrometer for Increased Sensitivity," Byulletinⁿ nauk Akhimen, Kon.
(Bulletin supplied by the Actinometric Committee), No 1, 1934.

YANISHEVSKIY, Yu. D.

"Savinov's Electrothermal Actinometer of New Design," Works of Sci-Res Institution of the Main Administration of the Hydrometeorological Service USSR, Series III, No 1, 1946 (37-46).
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

YANISHEVSKIY, Yu. D.

"Suitability of Micholson's Actinometer of the Kalintin-Protasov Design for a Networks of Stations," Works of Sci-Res Institution of the Main Administration of the Hydro-meteorological Service USSR, Series III, No 1, 1946 (47-54).
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

YANISHEVSKIY, Yu. D.

166T86

USSR/Meteorology - Radiation, Solar Sep/Oct 48
Pyranometers

"Concerning a Mistake in Measuring Scattered
Radiation by a Pyranometer," Yu. D. Yanishevskiy

"Meteorol i Gidrol" No 5, pp 93-95

Discusses error in pyranometer readings caused
by plate (painted white in some pyranometers
and black in others) supporting hemispherical
glass dome. Recommends that in the future all
pyranometers should have a screen with diameter
10% greater than that of the dome. This screen
should be 5.7 screen diameters from thermocouple.
Submitted 2 Jun 47.

166T86

YANISHEVSKIY, Yu. D.

Yanishevskiy, Yu. D. - "Savinov's noncompensating pyroometer; the perfection of its design and a method for its use", Trudy Glav. geofiz. observatorii, Issue 14, 1949, p. 73-83, - Bibliog: 12 items.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

YANISHEVSKIY, Yu. D.

Yanishevskiy, Yu. D. - "A balance meter for registering radiation balance and effective radiation", Trudy Glav. geofiz. observatorii, Issue 14, 1949, p. 84-88,
- Bibliog: 11 items.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, Nol.19, 1949).

YANISHEVSKIY, YU. D.

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P.; BUCHINSKIY, I.Ye.; SEYANINOV, G.T., professor; BOSHNO, L.V.; ALISOV, B.P.; BIRYUKOV, N.N.; GAL'TSOV, A.P.; GRIGOR'YEV, A.A., akademik; EYGENSON, M.S., professor; MURETOV, N.S.; KHROMOV, S.P.; BOGDAKOV, P.H.; LEBEDEV, A.N.; SCKOLOV, V.N.; YANISHEVSKIY, Yu.D.; SAMOYLENKO, V.S.; USMANOV, R.F.; CHUBUKOV, L.A.; TROTSENKO, S.Ya.; VANGENGEYM, G.Ya.; SOKOLOV, I.F.; STYRO, B.I.; TEMNIKOVA, N.S.; ISAYEV, E.A.; DMITRIYEV, A.A.; MALYUGIN, Ye.A.; LIEDEMAA, Ye.K.; SAPOZHNIKOVA, S.A.; RAKIPOVA, L.R.; POKROVSKAYA, T.V.; BAGDASARYAN, A.B.; ORLOVA, V.V.; RUBINSHTEYN, Ye.S., professor; MILEVSKIY, V.Yu.; SHCHERBAKOVA, Ye.Ya.; BOCHKOV, A.P.; ANAPOL'SKAYA, L.Ye.; DUNAYEVA, A.V.; UTESHEV, A.S.; HUDNEVA, A.V.; RUDEHKO, A.I.; ZOLOTAREV, M.A.; NERSESYAN, A.G.; MIKHAYLOV, A.N.; GAVRILOV, V.A.; TSOMAYA, T.I.; DEVIATKOVA, A.M.; ZAVARINA, M.V.; SHMETER, S.M.; BUDYKO, M.I., professor.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor.GUGMS no.3/4:26-154 '54. (MIRA 8:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Fedorov). 2. Glavnaya geofizicheskaya observatoriya im. A.I.Voeykova (for Predtechenskiy, Lebedev, Yanishevskiy, Isayev, Rakipova, Pokrovskaya, Orlova, Rubinshteyn, Budyko, Shcherbakova, Anapol'skaya, Dunayeva, Rudneva, Gavrilov, Zavarina). 3. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskii institut (for Buchinskiy).

(Continued on next card)

FEDOROV, Ye.Ye., professor; FREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of datasets) [of the current state climatological research and methods of developing it]. Inform. sbor. GUGMS no.3/4:26-154 '54. (Card 2) (MIRA 8:3)

4. Vsesoyuznyy institut rastenievodstva (for Selyaninov, Rudenko).
5. Bioklimaticheskaya stantsiya Kisl'vodsk (for Boshno).
6. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Alisov).
7. Ministerstvo putey soobshcheniya SSSR (for Biryukov).
8. Institut geografii Akademii nauk SSSR (for Gal'tsov, Grigor'yev).
9. Geofizicheskaya komissiya Vsesoyuznogo geograficheskogo obshchestva (for Evgenson).
10. Ministerstvo elektrostantsiy i elektropromyshlennosti SSSR (for Muretov).
11. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova (for Khromov).
12. Tsentral'nyy nauchno-issledovatel'skiy gidrometeorologicheskiy arkhiv (for Sokolov, Zolotarev).
13. Gosudarstvennyy okeanograficheskiy institut (for Samoylenko).
14. Tsentral'nyy institut prognozov (for Usmanov, Sapozhnikova).
15. Institut geografii Akademii nauk SSSR i Tsentral'nyy institut kurortologii (for Chubukov).
16. Nauchno-issledovatel'skiy institut imeni Sechenova, Yalta (for Trotsenko).
17. Arkticheskiy nauchno-issledovatel'skiy institut (for Vangengeym).

(Continued on next card)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state of climatological research and methods of developing it].
Inform.sbor. GUGMS no.3/4:26-154 '54. (Card 3) (MLRA 8:3)

18. Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Sokolov).
19. Institut geologii i geografii Akademii nauk Litovskoy SSR (for Styro).
20. Rostovskoe upravlenie gidrometsluzhby (for Temnikova).
21. Morakoy gidrofizicheskiy Institut Akademii nauk SSSR (for Dmitriyev).
22. Vsesoyuznyy institut rasteniyevodstva (for Malyugin).
23. Akademiya nauk Estonskoy SSR (for Liedemaa).
24. Akademiya nauk Armyanskoy SSR (for Bagdasaryan).
25. Leningradskiy gidrometeorologicheskiy institut (for Milevskiy).

(Continued on next card)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform.sbor. GUGMS no.3/4:26-154 '54. (Card 4) (MIBA 8:3)

26. Gosudarstvennyy gidrologicheskiy institut (for Bochkov).
27. Kazhskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Uteshev).
28. Upravlenie gidrometsluzhby Armyanskoy SSR (for Nersesyan).
29. Leningradskoye upravleniye gidrometsluzhby (for Mikhaylov, Devyatkova).
30. Tbilisskiy gosudarstvennyy universitet (for Tsochaya).
31. Tsentral'naya aerologicheskaya observatoriya (for Shmeter). (Climatology)

YANISHEVSKIY, (U.D.)

Subject : USSR/Meteorology and Hydrology AID P - 1442
Card 1/1 Pub. 17-a - 16/23
Author : Yanishevskiy, Yu. D., Kandidat of Phys. - Math. Sciences
Title : Checking the Pyrheliometric Seale
Periodical : Met. i gidro., 1, 48-49, Ja - F 1955
Abstract : In comparing the readings of different pyrheliometers established in Pavlovsk, Upsala, Potsdam, the scale for the values of the readings on new instruments from 1929 to 1938 proved to have a systematic error of 1%. One table given
Institution: Main Administration of the Hydrometeorological Service at the Council of Ministers of the USSR
Submitted : No date

YANISHEVSKIY, Yu. D.

AD P - 3192

Subject : USSR/Meteorology
Card 1/1 Pub. 71-a - 19/23
Authors : Berlyand, M. E., Yefimova, N. A. and Yanishevskiy, Yu. D.
Title : Kondrat'yev, K. Ya. Luchistaya energiya solutsa (Radiation energy of the sun) Gidrometeoizdat, 1954. (Book review)
Periodical : Met. i. gidr., 5, 63-64, S/O 1955
Abstract : The book reviewers give a very favorable criticism of the manual. It is considered the first good book on actinometry to be compiled on the basis of extensive research. However, the book offers some contradictory and/or erroneous statements listed by the reviewers.
Institution : None
Submitted : No date

Translation M-1181, 26 Jul 56

YANISHEVSKIY, Yu. D. Cand. Physicomath. Sci.

"Works of the Main Astrophysical Observatory in the Field of Actinometry and Atmospheric Optics," a report presented at a session held from 19 to 23 April 1955 at Alm-Ata by the Astronomical Council of the Academy of Sciences USSR jointly with the Astrophysical Institute of the Academy of Sciences Kazakh SSR, Izvestiya Astrofiz. Inst., No.4, 1956

PHASE I BOOK EXPLOITATION

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Yanishhevskiy, Yuriy Dmitriyevich

Aktinometricheskiye pribory i metody nablyudeniy (Actinometric Instruments and Methods of Observation) Leningrad, Gidrometeoizdat, 1957. 414 p. 5,000 copies printed.

Resp. Ed.: Kuz'min, P. P.; Ed.: Yasnogorodskaya, M. M.; Tech. Ed.: Flaum, M. Ya.

PURPOSE: This handbook is intended for the use of geophysicists, meteorologists, instructors in meteorology and agrometeorology, observers at meteorological bio-climatic stations concerned with the measurement and determination of radiation, and engineers and technicians working in the field. The book describes methods of installing and operating actinometric instruments and the processing of the registered or observed data. Many useful tables and nomograms and much supplementary material are included.

COVERAGE: The book describes the simplest methods of measuring radiation in the atmosphere and the instruments used. A great number of the instruments are based on the measurement of temperature differences with thermo-couples. A description of the Angstrom pyrheliometer, the Michelson balance-meter and bimetallic actinometer, and Robitzsch's solarigraph is given in the book which begins with a review of the development of actinometric measurements. Chapter I classifies the various types of radiation and the instruments used. In the absence of

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Actinometric Instruments and Methods of Observation

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standardized terminology, the terms are explained and the accepted nomenclature of the Hydrometeorological Service of the USSR used. Chapter II contains the basic principles of spheric astronomy required in actinometry and in building Nabokov's nomogram to a scale commensurate with the precision necessary in calculating the sun's elevation. Chapter III is concerned with electrical measurements used in actinometry. It describes the "GSA-1" (GSA-1) special galvanometer and other Soviet instruments, as well as methods of regulating the sensitivity of galvanometers and galvanographs and ways of testing them. Chapter IV describes types of widely used registering galvanometers and methods of processing the findings; the simplest photo-registering devices and the encased photo-registering appliance capable of operating in daylight are also described. The last instrument is particularly useful in registering residual radiation with a balance-meter. Chapter V-VIII covers a variety of instruments, radiation-receivers; Chapter V gives two variants of the compensating Angstrom pyrhelometer; Chapter VI describes the Michelson bi-metallic actinometer which is recommended as a control instrument for the pyrhelometer. Chapters VII and VIII describe thermo-electric appliances for the direct observation of radiation, including the newest improved Savinov actinometer and pyrgeometer, the Kalitin and M. B. Bylov pyranometers, the K. Angstrom and F. E. Voloshin pyrhelometers, the G. Falkenberg pyrgeometer and the Michelson and I. G. Lutershtein balance-meters. Chapter VII describes instruments for measuring reflected and scattered short wave solar radiation as well as actinometers and pyranometers including the Robitzsch solarigraph.

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Actinometric Instruments and Methods of Observation

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Chapter VIII discusses appliances for measuring long wave infrared radiation such as balance-meters and pyrgeometers. Chapter IX considers the requirements for a good observation site and the use of complex observation methods. The method suggested by the author for self-checking pyranometer and balance-meter readings by the actinometer was accepted for use at meteorological stations and is described in the official publications of the ГГО (Main Geophysical Observatory). The appendices in the book contain calculation tables for use while traveling on sea or land, reference tables and a bibliography. A list of necessary equipment and the names of various co-workers are included.

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36-68-6/18

AUTHOR: Yanishevskiy, Yu. D.

TITLE: Photometric Observations at Pavlovsk and the Relationship Between Light and Radiation (Fotometricheskiye nablyudeniya v Pavlovske i sootnosheniye mezhdru svetom i radiatsiyey)

PERIODICAL: Trudy Glavnoy geofizicheskoy observatorii
1957, Nr 68, pp. 102-119 (USSR)

ABSTRACT: This is a paper read in May 1950 before the Committee on Illumination at the Technical Sciences Branch of the USSR Academy of Sciences. The purpose of the paper is to enumerate corrections for the observed data on the amount of natural illumination in the area of Pavlovsk, and to establish a relation coefficient between natural illumination and solar radiation. The author proves that the photoelectric method used at Pavlovsk provides best results, especially with respect to light sensitivity, and allows calculation of the effect of the angle of incidence on sensitivity. The author lists the principal types of photometers employed in Russia from 1922 onwards with particular emphasis on photoelectric meters and their adequacy. Methods similar to those employed at Pavlovsk were successfully tested at actinometric stations

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36-68-6/18

Photometric Observations at Pavlovsk and the Relationship Between
Light and Radiation

in Yakutsk, Tashkent, Kuybyshev, Irkutsk, etc. The article
mentions M.V. Bylov, Vl.A. Berezkin, N.N. Kalitin,
V.B. Veynberg, F.F. Petrushevskiy, and V.V. Sharonov.
There are 8 diagrams, 7 tables and 39 references, of which
26 are USSR.

AVAILABLE: Library of Congress

Card 2/2

AUTHOR: Yanishevskiy, Yu. D. SOV/50-58-6-15/24

TITLE: An International Pyrheliometric Scale of the Year 1956
(Mezhdunarodnaya pirgeliometrisheskaya shkala 1956 goda)

PERIODICAL: Meteorologiya i gidrologiya, 1958, Nr 6, pp. 46-47 (USSR)

ABSTRACT: It is known that a divergence between the results of actinometric observations according to the angstrom (Angstrom) or European scale and the Smithsonian (Smithson) or American scale has been existing hitherto. In spite of suggestions made by V. M. Shul'gin (Ref 1) according to which Ch. Abbot and L. Aldrich had used an improved pyrheliometer in the USA (SSHA) the scale of 1913 has still been used. The problem of a standardization of mentioned scales was raised already several times at international conferences; it was, however, decided as late as in 1956 at Davos (Davos) (Refs 6,7), when the changing over to an "international pyrheliometric scale 1956" was recommended. Simultaneously it was possible to solve the problem of the representative character of the compensation pyrheliometer n. 140^{III} of the Potsdam observatory. The divergences

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An International Pyrheliometric Scale of the Year 1956 SOV/50-58-6-15/24

compared to the substandard fixed at Davos do not exceed 0,1%. The pyrheliometers of the Geophysical Main Observatory (Glavnaya geofizicheskaya observatoriya - GGO) n. 212 and 250 at Potsdam were rechecked, as already mentioned (Ref 2). The new multipliers were found to be lower by 1,5% than the multipliers used before. 3 conditions for the changing over to the new international scale are given. All pyrheliometers of the USSR are to be compared to the sample apparatus of the GGO, especially those of the "Étalon" works. 7 other recommendations of the conference are discussed in short (Refs 7,8). There are 7 references, 2 of which are Soviet.

1. Pyrheliometers--Standardization
2. Sun--Temperature
3. Heat--Measurement

Card 2/2

YANISHEVSKIY, Yu. D.

"The Actinometric Network of the U.S.S.R. and its Work in the Programme of I.G.Y."

paper presented at Symposium on Radiation and Atmospheric Ozone, Oxford, UK,
20-26 July 1959

STERNZAT, Moisey Semenovich; SAPOZHNIKOV, Aleksandr Arkad'yevich. Prinsipali uchastnye: YANISHEVSKIY, Yu.D.; RUSIN, N.P.; PIVOVAROVA, Z.I. KAROL', B.P., otv.red.; YASNOGORODSKAYA, M.M., red.; BRAYNINA, M.I., tekhn.red.; FLAUM, M.Ya., tekhn.red.

[Meteorological instruments, observations, and processing of data]
Meteorologicheskie pribory, nabludeniia i ikh obrabotka. Lenin-grad, Gidrometeor.izd-vo, 1959. 519 p. (MIRA 13:1)
(Meteorology--Observations)

PHASE I BOOK EXPLOITATION

SOV/5475

USSR. Glavnoye upravleniye gidrometeorologicheskoy sluzhby

Teplovoy i vodnyy rezhim zemnoy poverkhnosti (Thermal and Water Regime of the Earth's Surface) Leningrad, Gidrometeoizdat, 1960, 191 p. Errata slip inserted. 600 copies printed.

Sponsoring Agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Eds. (Title page): I. P. Gerasimov, Academician, M. I. Budyko, Doctor of Physics and Mathematics, and A. P. Gal'tsov, Doctor of Geographical Sciences; Ed.: M. M. Yasnogorodskaya; Tech. Ed.: M. I. Braynina.

PURPOSE: This publication is intended for geophysicists, geographers, climatologists, agronomists, and agriculturists.

COVERAGE: The seventeen articles contained in this publication represent condensed versions of reports presented at the Conference on the Heat and Water Regime of the Earth's Surface, convened by the Olgynaya geofizicheskaya observatoriya im. A. I. Voyeykova (Main Geophysical Observatory imeni

Card 1/5

Thermal and Water Regime (Cont.)

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A. I. Voyeykov) in April 1959. Individual articles deal with the investigation of the thermal balance of the earth's surface, problems of the genesis of climate related to heat and moisture exchange, the indicators of heat and water balance in agriculture, and problems related to the effect of hydro-meteorological factors upon complex geographical processes and phenomena. No personalities are mentioned. References follow individual articles.

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Yanishhevskiy, Yu. D. [Main Geophysical Observatory imeni A.I. Voyeykov]. Methods of Actinometric Investigations	23
Dzardzeyevskiy, B. L., and Yu. L. Rauner [Institut geografii AN SSSR -- Institute of Geography, AS USSR]. The State and the Tasks of Investigating the Heat Balance of a Forest	29

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Thermal and Water Regime (Cont.)

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Popov, O.V., and V.I. Kuznetsov [Gosudarstvennyy gidrologicheskiy institut -- State Hydrological Institute]. Experimental Investigation of the Elements of the Water Balance on Dry Land	48
L'vovich, M.I. [Institute of Geography, AS USSR]. Methods of Runoff Investigation on the Basis of Water Balance	62
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Drozdov, O.A. [Main Geophysical Observatory imeni A. I. Vovsykov]. Moisture Exchange in the Atmosphere	107

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Thermal and Water Regime (Cont.)

SOV/5475

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Gerasimov, I.P. [and G.S. Pogodina, Institute of Geography, AS USSR]. Hydrothermal Factors in Soil Formation	144
Volobuyev, V.R. [Akademiya nauk Azerbaydzhanskoy SSR -- AS Azerbay- dzhanskaya SSR]. Total Expenditure of Energy for Soil Formation in Relation to the Hydrothermal Conditions	162
Lavrenko, Ye. M. [Botanicheskiy institut AN SSSR--Botanical Institute, AS USSR]. Hydrothermic Factors and the Geography and Ecology of the Vegetation Cover	180

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• Thermal and Water Regime (Cont.)

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Davitaya, F.F. [Central Institute of Weather Forecasting].
Water and Heat Regime of the USSR and Some Problems of
Agriculture

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AVAILABLE: Library of Congress (GB665.R8)

Card 5/5

JA/dwm/mas
9-12-61

S/169/62/000/001/036/083
D228/D302

AUTHOR: Yanishevskiy, Yu. D.

TITLE: The practice of actinometry at the USSR's meteorologic stations and the course of its development

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1962, 4-5, abstract 1B41 (Tr. Gl. geofiz. observ., no. 123, 1961, 47-61)

TEXT: Questions connected with the reequipment and reorganization of the USSR's actinometric network are discussed. At the present time there is a network of 184 stations. The main actinometric instruments on the network are the thermoelectric actinometer, the Ongstrem pyrhellometer, the pyranometer, the thermoelectric non-compensating balancer, and also a special galvanometer adapted for working with these devices. The stations' program provides for observations at periods of every 3 hours by day and every 6 hours by night, these being supplemented by observations at the times 9 hr 30 min and 15 hr 30 min. In the polar day observations are made

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The practice of ...

every 3 hours throughout the day and night. To remove the deficiencies, connected with the small quantity of direct-radiation observations made at times that are asymmetrical with respect to midday, observations at true noon and at moments corresponding to integer of the optical mass of Bemporad have been introduced by the procedural conference of 1959. At many stations the daily radiation total is calculated only from standard observations without any correction for the radiation course even according to the heliograph. The accuracy of the calculation of the amounts of long-wave residual radiation is small, too, in consequence of the microclimatic character of the balancer's readings, as well as through the absence of daily pyrogeometers. When registering directly scattered and residual radiation a number of auxiliary devices -- heliostats and shade rings -- are used. The registration of residual radiation by a self-recording balancer is made at 12 stations. The main difficulties in working with the balancer are the need for additionally recording the wind speed and the impossibility of recording at the time of precipitation. A description is given of a perfected, annular-type pyranometer free from the many errors peculiar



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The practice of ...

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to pyranometers with square and radial thermobatteries. The application of integrators is necessary for the operative use of data on radiation. The reorganization of the network, its reequipment, and the expansion of observational programs are necessary in order to expand the utilization of actinometric data in weather forecasting for the building industries, agriculture, medicine, and so forth. 33 references. [Abstractor's note: Complete translation.]



Card 3/3

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P1-4/P2-4/P3-4

EWT(1)/FCC(w)/BDS/EEC-2/ES(v)

GW

AFFIC/APGC/ASD/ESD-3/SSD

S/169/63/000/004/009/017

AUTHOR: Sakunov, G. G., Yanishevskiy, Yu. D. 75TITLE: The ratio of scattered and total radiation to direct solar¹² radiation for the ultraviolet and the visible regions of the spectrum 12

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 4, 1963, abstract 4B160 (Nauchn. soobshch. In-t geol. i geogr. AN LitSSR, v. 13, 1962, 205-212; summaries in Lithuanian and English)

TEXT: The results of spectrophotometric measurements of radiation from the sun and the sky are presented in the form of ratios of monochromatic radiation from the sun and sky and the total (sun and sky together). Spectra of direct solar radiation falling on the surface normal to the beam and the spectra of total and scattered radiation were measured by a Hilger photographic quartz spectrograph with additional diaphragms for eliminating parasite spectra and with an integrating sphere. The design of the measuring device is described and its basic parameters are given. The procedure for taking

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The ratio of scattered and total radiation...

measurements is discussed. The measurements were taken with different cloud cover and different heights of the sun, including twilight. A platinized 8-step quartz attenuator was placed in front of the spectrograph slit. Correction factors were determined for the sphere with the lower exit aperture and central position of the screen for different angles of incidence and residual polarization. Simultaneous observations of radiation by an actinometer with Schott light filters permit obtaining data in absolute units. In order to make comparisons with twilight illuminations, the direct radiation was attenuated by means of a special grating filter. The author presents graphs of ratios of monochromatic scattered and total radiation to direct solar radiation striking a horizontal surface and a surface perpendicular to the incident radiation for 14 wavelengths. The error in the method for taking measurements in the ultraviolet region (315-320 millimicrons) was 30-50 per cent.

[Abstracter's note: Complete translation.]

Card 2/2

YANISHEVSKIY, YU.D.; ROSS, YU.K.; SULEV, M.A.

"The present state of measurements of the radiation balance and its long-wave components on the earth's surface."

Report presented at the 5th Conference on Atmospheric Optics and Actinometry, Moscow, 24-29 June 1963.

22048-65 EWT(1)/EWI(15)/EWG(v)/EWP(j) Pc-4/Ps-5/Pae-2 EM/GW/GS
ACCESSION NR: AT5011151 UR/0000/64/000/000/0010/0024

AUTHOR: Ross, Yu. K.; Sulev, M.A.; Yanishevskiy, Yu. D.

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TITLE: Present status of the measurement of radiation balance and its long-wave components at the earth's surface

SOURCE: Mezhdodomstvennoye soveshchaniye po aktinometrii i optike atmosfery. 5 th, Moscow, 1963. Aktinometriya i optika atmosfery. A. I. Yanishevskiy, ed. Moscow: Izdat. trady soveshchaniya. Moscow. Izd-vo Nauka, 1964, 10-24

TOPIC TAGS: meteorological instrument, radiation balance, long wave radiation, atmospheric physics, pyrgeometer, atmospheric surface layer, actinometry

ABSTRACT: This is a review of the present status of techniques for measuring the radiation balance and its long-wave components in the layers of the atmosphere near the earth's surface. The paper is organized as follows: 1. Introduction. 2. Principal types of instruments now used for the measurement of long-wave radiation: A) Instruments with open nonventilated surfaces without compensation; B) Instruments with forced ventilation; C) Instruments with wind-protection filters; D) Compensated instruments; E) Instruments with a restricted aperture; F) Pyrex meters and balance meters (calorimetric type); G) None compensation; H) Daytime pyrgeometers. 3. Some problems associated with instruments for the measurement of long-wave radiation and measurement methods:

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A) Theory of the instruments; B) Influence of precipitation and hydrometeors on readings;

C) Pyrgeometric scale. 4. Conclusions and recommendations. It is concluded that the accuracy of measurement of the radiation balance and its long-wave components does not

meters, and the Yanishevsky thermoelectric balance meters with hemispherical poly-

and the necessity when using other pyrgeometric forms of optical balance meters.

The selectivity of pyranometers and the influence of the dependence of their sensitivity on angle of incidence leads to erroneous exclusion of short-wave radiation from the

and be able to make measurements despite snow or frost, there should be continuous

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temperature range from -50 to +50C for the calibration of actinometric instruments; development of a single black covering for all sensors and careful study of its optical properties; comparisons of instruments of different design under different climatic and weather conditions; acquisition of all foreign types of instruments and comparison with Soviet models; national and world coordination of work in the field of measurement of long-wave radiation. Orig. art. has 4 tables.

ASSOCIATION: [Roos, Sulev] Institut fiziki i astronomii AN Estonskoy SSR, Tartu (Institute of Physics and Astronomy, Academy of Sciences, Estonian SSR) [Yantsherskiy] Institut fiziki i astronomii AN Estonskoy SSR, Tartu (Institute of Physics and Astronomy, Academy of Sciences, Estonian SSR)

SUBMITTED: 25Nov64

ENCL: 00

SUB CODE: E3

NO REF SOV: 013

OTHER: 023

Card 3/3

YANISHEVSKIY, Yu. D.

"Principles of Radiation Instruments for Network Use in the USSR."

report presented at the Intl Symp on Atmospheric Radiation, Leningrad,
5-12 Aug 64.

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LITOVAL'TSEV, Petr Fedorovich; YANISON, Tamara Aleksandrovna [deceased];
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Podgotovitel'nye operatsii i pechatanie na chetyrekhlistnoi rotatsionnoi
maschine. Moskva, Gos.izd-vo "Iskusstvo," 1957. 30 p. (MIRA 10:12)
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The Determination of Thermodynamic Data of Solid Solutions by Means of Radioactive Tracers. A. A. Zhabovitsky, M. E. Yanitskaya, and S. N. Kryukov (Zhur. Fiz. Khim., 1955, 29, (7), 1338-1341). - (In Russian). A

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YANITSKAYA, M. E., ZHUKHOVITSKIY, A. A., KRYUKOV, S. N.,

"Self-Diffusion and Diffusion in Binary Solid Solutions." In book
The Application of Radioisotopes in Metallurgy, Symposium XXXIV; Moscow;
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ZHUKHOVITSKIY, A. A. (Dr. Chem. Sci., Prof.) Chair of Physical Chemistry,
Moscow Inst. of Steel im I. V. Stalin; YANITSKAYA, M. E. (Ass't.); KRYUKOV,
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YANITSKIYA, M.YE.
Category : USSR/Solid State Physics - Diffusion. Sintering

E-6

Abs Jour : Ref Zhur - Fizika, No.1, 1957, No 1252

Author : Zhukhovitskiy, A.A., Kryukov, S.N., Yanitskiya, M.Ye.

Title : Self-Diffusion and Diffusion in Binary Solid Solutions

Orig Pub : Primeneniye radioaktivnykh izotopov v metallurgii, M., Metallurgizdat, 1955, sb. 34, 7-35

Abstract : The dependence of the self-diffusion coefficient on the concentration of the solution and its relationship to the coefficient of diffusion are examined within the framework of the method of the transition state for the "vacancy" mechanism and of the exchange state. An analysis is made of the relationship between the coefficient of self-diffusion in a solution and the coefficient of self-diffusion in a pure component and in an infinitely-dilute solution of this component in another component; the connection between the diffusion and thermodynamic characteristics of solutions is also analyzed. The thin-layer method is used to measure the concentration dependence of the coefficient of self-diffusion in the Ag-Au, Ag-Cu and Ag-Sn systems and the activity coefficients are measured for the Ag-Au system by new methods, explained in the article. Analysis of the experimental data confirms the deduced existence of

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Category : USSR/Solid State Physics - Diffusion. Sintering

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Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 1252

two processes, which manifest themselves in the $[\ln D \text{ vs. } (1/T)]$ curve as a discontinuity, similar to that caused by the boundary diffusion. The substantial effect of slight copper impurities on the coefficient of diffusion of silver illustrates the lack of adequate thermodynamic data on the solution.

Card : 2/2

USSR/ Chemistry - Physical chemistry
YANITSKAYA, M. YE.

Card 1/1 Pub. 22 - 30/49

Authors : Zhukhovitskiy, A. A.; Kryukov, S. N.; Yanitskaya, M. Ye.; and Golitsyn, A. G.

Title : Diffusion method of determining the thermodynamic properties of solid solutions

Periodical : Dok. AN SSSR 102/1, 121-124, May 1, 1955

Abstract : A new simple method for the determination of thermodynamic properties of solid solutions is described. The characteristics originating from the linearity of the diffusion equation and the macroscopic characteristics of the solution are the bases of the diffusion method. The accuracy of the method is described. It is pointed out that the instrument employed in measuring the thermodynamic characteristics must contain the radioactive donor as well as the acceptor and a device warranting the necessary diffusion resistance in the gaseous state. Other requirements of the measuring instrument are listed. Some results obtained by the new method are analyzed. Nine references: 4 USSR, 1 Eng., 3 Ger. and 1 USA (1909-1950).
Table; graphs; drawing.

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The Effect of Alloying Constituents
on Diffusion

18
Dokl. Akad. Nauk
1961, 161, 1000

~~M. E. Yanitskaya, A. A. Zhukovitsky,~~
~~C. R. Baker, Jr.~~

U.S.S.R.

On the basis of experiments with two systems, s.II
diffusion was studied with the aid of the method of thin
layers. The effect of small quantities of alloying
constituents on the rate of diffusion is
discussed. Bibl. 6.

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YANITSKAYA, M.Ye.

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(HEART, innervation,
conduction appar., autopsy in normal & pathol. cond.
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YANITSKIY, Aleksandr, Leonidovich, starshiy nauchnyy sotrudnik; KALGANOV, M.I.,
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